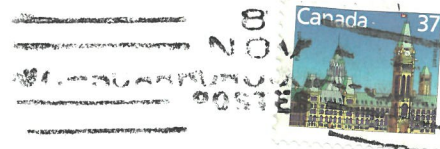


NORTH SHORE AMATEUR RADIO CLUB INC.

P.O. BOX #171, OSHAWA, ONT., L1H 7L1

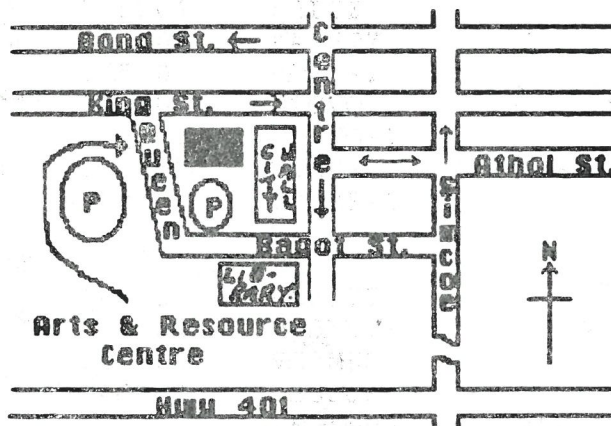


First Class Première classe

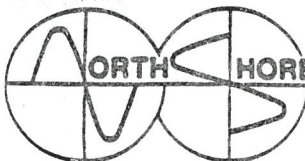
VE3CRK

88

Ralph Day
454 Holcan Ave
Oshawa Ont. L1G 5X6



**N.S.A.R.C. meeting at the
Arts & Resource
Centre
2nd Monday of each Month
8:00 PM**



NORTH SHORE AMATEUR RADIO CLUB INC.

P.O. BOX #171, OSHAWA, ONT., L1H 7L1

The next meeting of the North Shore Amateur Radio club will be held at the Arts and Resource Center, behind City Hall in Oshawa. The Arts and Resource Center is located on Center Street South. The meeting is held in the Green room, and starts at 20:00 local. All HAMS and interested parties are welcome to attend.

The meetings are held on the second Monday of each month.

North Shore Amateur Radio Club
P.O. Box 171, Oshawa, Ontario
L1H 7L1

Elected Directors

President.....	Ralph Day (VE3CRK).....	416	576-8738
Secretary.....	Ray Zambonelli (VE3OUB).....	416	723-2467
Treasurer.....	Mike Sherba (VE3DKW).....	416	723-7674
Program Director.....	Joe White (VE3IHS).....	416	623-4069
Past/Vice President.....	Rick Gibson (VE3ASH).....	416	434-2886

Non-elected Officers

Registrar.....	Keith Wyard-Scott (VE3GDF)...	416	723-5758
Special Events Coord.....	Ralph Day (VE3CRK).....	416	576-8738
Get-Well Cards.....	Colin Bell.....	416	723-7482
2-Meter Net Control.....	Roy Miller (VE3AAF).....	416	852-5447
Membership List & Labels....	Paul Dale (VE3LHZ).....	416	434-6741
Instruction Coordinator.....	Rick Gibson (VE3ASH).....	416	434-2886
Auditor.....	Harry Westwood (VE3QG).....	416	683-5104

Club Station - VE3NSR

Club Repeater - VE3OSH - 147.720 Mhz in, 147.120 Mhz out

A 2-meter net hosted by Roy, VE3AAF, or a stand-in, convenes every Thursday at 19:30 Local time on the club repeater, VE3OSH. As part of the net, code practice is provided by Bernie, VE3ATI, beginning at 20:30 Local time.

10-meter net (unofficial) - A group of local hams meet Sundays on 28.20 Mhz using CW from 09:00 to 10:00 Local time, then switch to SSB phone until exhausted, or XYL's call dinner!

November Meeting Highlights...

Be sure to attend the November meeting to see Fred Western's display of vintage Amateur gear. Fred (VE3FYW) has a great display, so be sure not to miss this meeting!!!

The following article is a publication of *CARF*, the Canadian Amateur Radio Federation Inc. It is continued here from the October bulletin.

Successful Electromagnetic Compatibility

Guidelines for the Radio Amateur

Author: Bill Wilson, VE3NR. *

- 4) *Before you go on the air, explain Amateur radio to your neighbours.*
You want your neighbours to see Amateur Radio in its true light - a very worthwhile public service oriented hobby and something that they need not fear. Indeed, they may be helped by Amateur Radio some time.
- 5) *If your neighbour complains, don't agree it's due to your station BUT explain what the problem and cause might be.* Invite his cooperation while you make TEST TRANSMISSIONS ONLY so you can identify the cause. Without his cooperation you'll have difficulties resolving the problem. Start keeping a special log of all that is said and done.
- 6) *Never use the words "interference" or "breakthrough" in discussing an EMC problem.*
These are bad, bad words! Use of the word "interference" will establish you as the cause of the problem and your neighbour as the recipient of it. Anyway, to have interference involving electromagnetic energy (radio), one must have desired and undesired signals and a radio receiver. "Breakthrough" implies forced entry or penetration. That word will also convince your neighbours that your station is the cause of their trouble. Your job will be made more difficult.
- 7) *Describe the problem as a compatibility one due to susceptibility of consumer electronic equipment to radio signals.*
If you would rather, call it a lack of immunity. Talking about it in this way will tend to keep the playing field level. By this time you should have cleaned up the consumer electronic equipment around your QTH so you can show your neighbour that you are not having any trouble with the CE equipment in your own home. See item number 19 in this article.

By the way, Communications Canada (CC) defines a piece of non-radio equipment as being "susceptible" when it malfunctions in the presence of radio energy.
- 8) *Tell the nearest Communications Canada radio inspector about your problems at the earliest moment and get him to check your station.* Continue to keep him informed in writing.
True, Communications Canada has no power in law to do anything about a compatibility problem involving consumer equipment susceptibility, but they can check your station and tell you if it is technically clean. They may have some suggestions about resolving the problem. As honest arbiters they can explain to a neighbour about his equipment's lack of immunity. However, do not expect CC to be much help 6 months after the trouble started and the neighbour is mad and refuses to talk.

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... continued from page 3

- 9) *Stay off the air or at least do everything you honestly can to minimize the trouble until it is resolved.*
Don't make an enemy. If the going gets rough the fact that you shut down, reduced power, beamed away, avoided critical hours, etc. will be to your credit.
- 10) *Get a fellow Amateur who has had experience with this kind of problem to help you.*
An independent Amateur can act as an arbitrator and be very helpful. He may see things a little differently and also have some good ideas about resolving the problem and handling the complainant.
- 11) *Try to resolve the problem with the minimum of disruption to your neighbour's life.*
Recent experience in Canada has shown that nothing will land an Amateur in court on a nuisance charge faster than his running in and out of a neighbour's house umpteen times a week for several weeks futilely trying to resolve a compatibility problem. Try to determine exactly the cause of the problem in one go. Leave your neighbour alone while you consult fellow Amateurs and the experts at your ham club and research all possible cures. Then, with the help of another Amateur or expert assistant as mentioned above, take the material for all possible fixes with you and try to clean up the problem in one visit. Don't make or leave a mess in your neighbour's home.
- 12) *At no time do anything to the components inside your neighbour's equipment.*
Put another way, all fixes should be on the outside. You do not want to void CSA approvals or manufacturer's guarantees or, by opening his equipment, expose yourself to a charge of having damaged it.
- 13) *If your neighbour repeatedly refuses to cooperate and no one can do anything to correct the problem, tell CC about it at once. Stick it out for three months and then go back on the air. Don't lose that special log you have been keeping. You may want it to show the judge that you have done your best.*
- 14) *Communications Canada may suggest that you limit your operation to help keep peace in the area and "cool" things so you can more easily resolve the problem.*
As yet, CC has no legal authority to do anything about susceptible CE equipment but they are concerned and are working to get the required amendment into the Radio Act. If interference to radio communications is also involved, they could restrict your operation. In that case you have a right under Section 4(2) of the Act to ask them the reason for any kind of suspension and to have them hear your side of the problem.
- 15) *Note that most Canadian manufacturers have agreed to a "repair, replace or refund" policy in EMC cases.*
Few know that the Electrical and Electronic Manufacturers Association of Canada, in their effort to help, adopted this policy and informed CC and the department has accepted it.

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Foreign manufacturers are not included. However, regardless of where the manufacturer is, when you have an EMC problem contact the manufacturer or his agent directly, tell them about this policy and ask them to "repair, replace or refund". Don't rely on a retailer to do this as he likely knows nothing about EMC.

Do involve the manufacturer and his technician early in the problem as they know their equipment and are often helpful. Leave it to them to open a neighbour's CE equipment. Don't undertake to repair a major susceptibility problem and, after doing so, find that you can't finish the job.

- 16) *Never recommend regarding the suitability of equipment to a neighbour.* Because the susceptibility of consumer electronic (CE) equipment to radio energy is usually unknown, as is the nature of the radio environment, the Amateur's recommendation isn't worth a pinch. The Amateur is exposing himself to serious problems the moment he goes on the air and the recommended equipment malfunctions.

* Retired, Director General, Telecommunications Regulation, Department of Communications, Ottawa.

This article will be completed in the December issue of the bulletin.

Computer Crazy

Dedicated computer... loyal accountant
Disk drive... slap shot
Push-down stack... a romp in the hay
Spacebar... a zero-gravity speakeasy

The Soapbox

"Where is the Bulletin?" A lot of you may have been wondering why the October bulletin had not appeared until just a short while ago. Well, the buck stops here. I have not published a bulletin of any kind now for a couple of years, and so I was out of practice! Not only that, I was short of *equipment!* I must take this opportunity to thank John Gelston, VE3FOG, better known to his ham friends as 'Foggy', for the unselfish loan of his Epson LX-800 printer - without which the bulletin would not be the same! Thanks-a-lot, Foggy... we appreciate your help.

Here's hoping *this* bulletin arrives to find you in good health, and able to attend the next meeting on the evening of November 14th, at 20:00 local.

Larry McKnight, VE3ASB
Temporary editor!

Some Want All Peruse

This is your Swap, Sell or Buy column. To have an article listed, just mail the information to the editor, or phone Oshawa 723-5758 in the evening.

For Sale:

Hamtext cartridge and book for the Commodore 64. Works well for CW and RTTY. Has a lot of features. Requires that you also have an interface to your HF rig. Sold for \$149, asking \$95 or best offer. Contact Larry McKnight, VE3ASB, at 448-2207 during the day (Don Mills) or 427-0893 in the evenings after 7 PM (Ajax).

Wanted:

No new items.

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Daffy Definitions...

Transformer... a successful evangelist.

Integrated circuit... a non-race track.

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Held Over by Popular Request and our Love for You!!

Full Membership -- \$15.00 CDN. (\$12.00 US) -- Includes full voting privileges and monthly news bulletin for one calendar year (January to December, July and August excepted).

Associate Membership -- \$10 CDN. (\$8 US) -- Includes bulletin only and a hearty welcome to any meetings you can get to either in person, over the landline, or on the air.

Second family member -- \$5 CDN. (\$4 US) -- Full voting privileges but no monthly bulletin (assumed living in the same house).

To join us, or to make changes to your mailing address, simply (you're a HAM aren't you??) fill in the following form and mail it along with the appropriate fee to the Registrar of the N.S.A.R.C. at his home address (preferably) of 298 Dover Street, Oshawa, Ontario, L1G 6G6, or to the Club at PO. Box 171, Oshawa, Ontario, L1H 7L1.

Name_____ Call_____

Street & No._____ Apt._____

City_____ Prov. or State_____

Postal or Zip code_____ Telephone_()_____

Membership(s) requested: Full_() Assoc._() Family_() Fee encl._\$____

Donations for repeater fund (if you desire)_() Amount_\$_____

We appreciate your support